

FFFFFFFF	000000	RRRRRRRR	EEEEEEEEEE	RRRRRRRR	RRRRRRRR	
FFFFFFFF	000000	RRRRRRRR	EEEEEEEEEE	RRRRRRRR	RRRRRRRR	
FF	00	RR	EE	RR	RR	
FF	00	RR	EE	RR	RR	
FF	00	RR	EE	RR	RR	
FF	00	RR	EE	RR	RR	
FFFFFFFF	00	RRRRRRRR	EEEEEEEEEE	RRRRRRRR	RRRRRRRR	
FFFFFFFF	00	RRRRRRRR	EEEEEEEEEE	RRRRRRRR	RRRRRRRR	
FF	00	RR	EE	RR	RR	
FF	00	RR	EE	RR	RR	
FF	00	RR	EE	RR	RR	
FF	00	RR	EE	RR	RR	
FF	00	RR	EE	RR	RR	
FF	000000	RR	EEEEEEEEEE	RR	RR
FF	000000	RR	EEEEEEEEEE	RR	RR

SSSSSSSS	DDDDDDDD	LL
SSSSSSSS	DDDDDDDD	LL
SS	DD	DD
SS	DD	DD
SS	DD	DD
SS	DD	DD
SSSSSS	DD	DD
SSSSSS	DD	DD
SS	DD	DD
SS	DD	DD
SS	DD	DD
SS	DD	DD
SSSSSSSS	DDDDDDDD	LLLLLLLLLL
SSSSSSSS	DDDDDDDD	LLLLLLLLLL

{ REQUIRE file for FORTRAN error codes (ST\$V_CODE)
{ Filename: FORERR.SDL Edit: SBL2001

{*****
{
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{
{ Author: T. Hastings
{ [Previous edit history removed. SBL 11-Nov-1980]
{ 1-001 - Add copyright notice and change version number. JBS 16-NOV-78
{ 1-002 - Correct minor errors in the maintenance note. JBS 16-NOV-78
{ 1-003 - Change reference to RTLM\$G to be FORM\$G. JBS 02-JAN-1979
{ 1-004 - Added error numbers 49-58 for ISAM. SBL 09-Feb-1979
{ 1-005 - Remove error 58. Change name of error 36 and 50. SBL 6-Apr-79
{ 1-006 - Change FOR\$K_RECSPEERR to FOR\$K_INCRECTYP. SBL 27-Apr-79
{ 1-007 - Change FOR\$K_INVKEYCHG to FOR\$K_INCKEYCHG. SBL 2-May-1979
{ 1-008 - Make changes to agree with -11 F4P. SBL 8-May-1979
{ 1-009 - Rename FOR\$K_MORONEREC to FOR\$K_TOOMANREC. SBL 21-Sept-1979
{ 1-010 - Add errors 17-19 for NAMELIST. SBL 11-Nov-1980
{ 2-001 - Convert to SDL. SBL 23-AUG-1982

{+
{ Define short valued symbols of the form FOR\$K_symbol which are used in calls to
{ the FORTRAN error Procedure of the form:
{
{ FOR\$\$SIGNAL (FOR\$K_error_number)
{
{ which are changed into 32-bit VAX-11 condition values
{ of the form FOR\$ error number
{ before calling LIB\$\$SIGNAL (FOR\$_error_number)
{
{ In macro, the symbols may be defined either as .EXTRNs or \$FORERR
{ \$FORERR
{ will define all FORTRAN error numbers.

{ MAINTENANCE NOTE:

{ COM\$ERRSET.TST module (in file COMSETST.B32) contains the F4P/11
 { compatibility error handler and has a table for all errors.
 { When new error numbers are added that table may need modification.

{-

MODULE \$FORERR;

{ The following messages may not be the actual text:
 { See FORMSG.MSG for the correct text

CONSTANT
 FAC NO EQUALS 24 PREFIX FOR TAG \$K, { FORTRAN facility number (ST\$W_FAC_NO)
 NOTFORSPE EQUALS 1 PREFIX FOR TAG \$K; { NOT A FORTRAN-SPECIFIC ERROR
 { Used as a catch-all error number
 { for error other than FOR\$ and MTH\$

CONSTANT (
 SYNERRNAM, { SYNTAX ERROR IN NAMELIST INPUT
 TOOMANVAL, { TOO MANY VALUES IN NAMELIST INPUT
 INVREFVAR, { INVALID REFERENCE TO VARIABLE IN NAMELIST
 REWERR, { REWIND ERROR
 DUFFILSPE, { DUPLICATE FILE SPECIFICATIONS
 IMPRECTOO, { INPUT RECORD TOO LONG
 BACERR, { BACKSPACE ERROR
 ENDDURREA, { END-OF-FILE DURING READ
 RECNUMOUT, { RECORD NUMBER OUTSIDE RANGE
 OPEDEFREQ, { OPEN OR DEFINEFILE REQUIRED TO SPECIFY DIRECT ACCESS
 TOOMANREC, { TOO MANY RECORDS IN I/O STATEMENT
 CLOERR, { CLOSE ERROR
 FILNOTFOU, { FILE NOT FOUND
 OPEFAI, { OPEN FAILURE
 MIXFILACC, { MIXED FILE ACCESS MODES
 INVLOGUNI, { INVALID LOGICAL UNIT NUMBER
 ENDFILERR, { ENDFILE ERROR
 UNIALROPE, { UNIT ALREADY OPEN
 SEGRCFOR, { SEGMENTED RECORD FORMAT ERROR
 ATTACCNON, { ATTEMPT TO ACCESS NON-EXISTENT RECORD
 INCRECLEN, { INCONSISTENT RECORD LENGTH
 ERDURWRI, { ERROR DURING WRITE
 ERDURREA, { ERROR DURING READ
 RECIO OPE, { RECURSIVE I/O OPERATION
 INSVIRMEM, { INSUFFICIENT VIRTUAL MEMORY
 NO SUCDEV, { NO SUCH DEVICE
 FICNAMSPE, { FILE NAME SPECIFICATION ERROR
 INCRECTYP, { INCONSISTENT RECORD TYPE
 KEYVALERR, { KEYWORD VALUE ERROR IN OPEN STATEMENT
 INCOPECLO, { INCONSISTENT OPEN/CLOSE PARAMETERS
 WRIREAFIL, { WRITE TO READONLY FILE

```

INVARGFOR, { INVALID ARGUMENT TO FORTRAN RUN-TIME LIBRARY
INVKEYSPE, { INVALID KEY SPECIFICATION
INCKEYCHG, { INCONSISTENT KEY CHANGE OR DUPLICATE KEY
INCFILORG, { INCONSISTENT FILE ORGANIZATION
SPERECLOC, { SPECIFIED RECORD LOCKED
NO CURREC, { NO CURRENT RECORD
REWRITERR, { REWRITE ERROR
DELERR, { DELETE ERROR
UNLERR, { UNLOCK ERROR
FINERR, { FIND ERROR
          { Unused error 58
LISIO SYN, { LIST-DIRECTED I/O SYNTAX ERROR
INFFORLOO, { INFINITE FORMAT LOOP
FORVARMIS, { FORMAT/VARIABLE-TYPE MISMATCH
SYNERRFOR, { SYNTAX ERROR IN FORMAT
OUTCONERR, { OUTPUT CONVERSION ERROR
INPCONERR, { INPUT CONVERSION ERROR
          { Unused error 65
OUTSTAOVE, { OUTPUT STATEMENT OVERFLOWED RECORD
INPSTAREQ, { INPUT STATEMENT REQUIRED TOO MUCH DATA
VFEVALERR, { VARIABLE FORMAT EXPRESSION VALUE ERROR
) EQUALS 17 INCREMENT 1 PREFIX FOR TAG $K;

```

```

{+
{ Define arithmetic trap error numbers, even though signaled as SS$ ARITH
{ Therefore there is no corresponding error message in FORMSG.MDL for these:
{-

```

```

CONSTANT (
INTOVF, { INTEGER OVERFLOW
INTZERDIV, { INTEGER ZERO DIVIDE
FLOOVE, { FLOATING OVERFLOW
FLOZERDIV, { FLOATING ZERO DIVIDE
FLOUND, { FLOATING UNDERFLOW
          { Unused error 75
DECSTROVE, { DECIMAL STRING OVERFLOW
ARRREFOUT, { ARRAY REFERENCE OUTSIDE ARRAY
) EQUALS 70 INCREMENT 1 PREFIX FOR TAG $K;

```

```

{ End of arithmetic trap error codes

```

```

CONSTANT
  ADJARRDIM EQUALS 93 PREFIX FOR TAG $K, { ADJUSTABLE ARRAY DIMENSION ERROR
  MAX_ERR EQUALS 93 PREFIX FOR TAG $K; { maximum error number (NOT AN ERROR!!!)

```

```

END_MODULE $FORERR;

```

```

{ End of file FORERR.SDL

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0178 AH-BT13A-SE
VAX/VMS V4.0

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